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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/528,306	08/25/2005	Benoit Thevenot	09669/056001	6389
22511	7590	08/10/2007	EXAMINER	
OSHA LIANG L.L.P.			KIM, TAE W	
1221 MCKINNEY STREET			ART UNIT	
SUITE 2800			PAPER NUMBER	
HOUSTON, TX 77010			2876	
			MAIL DATE	DELIVERY MODE
			08/10/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/528,306

Applicant(s)

THEVENOT, BENOIT

Examiner

Tae W. Kim

Art Unit

2876

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 June 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 2-10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 2-10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 March 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Response to Amendment*

1. Receipt is acknowledged of the Amendment filed on June 28, 2007.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 2-4, and 7-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prancz (US 6095424 A) in view of Usami (US 6440773 B1).

Re claim 8: Prancz discloses a card like object comprising:

a top face and a bottom face (15 & 16 in figs 5-11, col 13 lines 20-22);

a contactless interface (34 & 35 in fig 21 & 23, col 23 lines 17: "exclusively for contactless uses");

a contact interface (49 & 50 in fig 23, col 23 line 66 – col 24 line 11: "mating contacts", "bonding wires 49 and 50 being shown in 23"); and

an antenna electrically connected to contactless interface (2 in fig 1, 2 in fig 23),

wherein cavity is formed on the top face (17 in fig 23: "recess"); and

wherein the contactless interface (34 & 35 in fig 21 & 23) and the contact interface (49 & 50 in fig 23) are located in the cavity (17 in fig 23: "recess").

Art Unit: 2876

wherein two chips (col 24 lines 61-67) are located in the cavity.

However, Prancz does not disclose or fairly suggest that one of the two chips is for one specific functional interface (i.e. contactless) and the other of the two chips is for the other specific functional interface (i.e. contact).

Usami however discloses that one of the two chips is for one specific functional interface (fig 11 part 1126, fig 17 part 1713, col 3 lines 36-38, col 9 lines 9-18: capacitor chip, col 10 lines 25-31) and the other of the two chips is for the other specific functional interface (fig 31 part 3134, fig 30 part 3024, col 1 lines 16-20, col 3 lines 34-36 & 49-51, col 14 lines 9-11).

Therefore, it would have been obvious at the time the invention was made to a person having ordinary skill in the art to incorporate Usami's teaching in Prancz's card like object for the purpose of enhancing the overall reliability of the card like object' by allocating each of the interface functions to each one of the two chips. If one chip fails, only one of the two interfaces would fail not both.

Re claims 2: Prancz as modified by Usami discloses the card like object of claim 8, wherein the antenna is connected to the contactless chip with a conductive track (col 14 lines 59-65: "two conductor tracks, not shown").

Re claims 3: Prancz as modified by Usami discloses the card like object of claim 8, wherein the antenna is connected to contactless chip with a conductive adhesive (col 11 lines 51-62: "two coil connecting contacts... connected to one another in an electrically conductive manner by means of an electrically conductive adhesive").

Re claims 4: Re claims 3: Prancz as modified by Usami discloses the card like object of claim 8, wherein the antenna is connected to the contactless chip with a metallic wire (34 & 35 in fig 23, col 21 lines 33-37).

Re claims 7: Prancz as modified by Usami discloses the card like object of claim 8, wherein the contact chip and the contactless chip are in a side-by-side configuration (Usami: fig 11 parts 1121 & 1126, fig 41 parts 4151 & 4153, col 1 lines 58-60).

Re claims 9: Prancz as modified by Usami discloses the card like object of claim 8, wherein the top face is at least partially graphically personalized (Usami: fig 2, col 7 lines 42-45).

Re claims 10: Prancz as modified by Usami discloses the card like object of claim 8, wherein the antenna is embedded within the card like object (2 in fig 1, 2 in fig 23).

4. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Prancz (US 6095424 A) as modified by Usami (US 6440773 B1) in view of Fujikawa (US 20010050138 A1).

Re claims 5: Prancz as modified by Usami discloses the card like object of claim 8, wherein the antenna is connected to the contactless chip.

However, Prancz as modified by Usami does not disclose or fairly suggest that the connecting means is a liquid.

Fujikawa however discloses that the connecting means is a liquid (par. 0009).

Therefore, it would have been obvious at the time the invention was made to a person having ordinary skill in the art to add Fujikawa's liquid connecting means to card like object of

Art Unit: 2876

Prancz as modified by Usami for the purpose of implementing a reliable and inexpensive connection between the antenna and the chip.

5. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Prancz (US 6095424 A) as modified by Usami (US 6440773 B1) in view of Wallace (US 20030183914 A1).

Re claims 6: Prancz as modified by Usami discloses the card like object of claim 8 comprising the contact chip and the contactless chip.

However, Prancz as modified by Usami does not disclose or fairly suggest that the chips are in a stacked configuration.

Wallace however discloses that the chips are in a stacked configuration (par. 0004).

Therefore, it would have been obvious at the time the invention was made to a person having ordinary skill in the art to incorporate Wallace's teaching that the chips are in a stacked configuration in the card like object of Prancz as modified by Usami for the purpose of reducing the footprint of the chips on the surface of the substrate, which can further promote the overall reduction of the form-factor for the card like object.

### ***Response to Arguments***

6. Applicant's arguments have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Prancz (US 6095424 A).

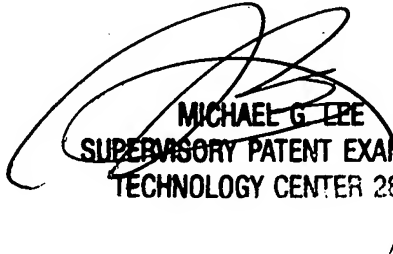
*Conclusion*

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tae W. Kim whose telephone number is 571-272-5971. The examiner can normally be reached on Mon-Fri 7AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 571-272-2398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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